

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference LTP-0003.PCT	<div style="display: flex; justify-content: space-between;"> <div>FOR FURTHER ACTION</div> <div>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</div> </div>	
International application No. PCT/SE 03/00973	International filing date (day/month/year) 12 June 2003	(Earliest) Priority Date (day/month/year) 20 June 2002
Applicant LTP Lipid Technologies Provider AB et al		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☒ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (See Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/E03/00973**Box I** Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: **29-30**
because they relate to subject matter not required to be searched by this Authority, namely:
see next sheet
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

Claims 29-30 relate to methods of treatment of the human or animal body by surgery or by therapy/ diagnostic methods practised on the human or animal body/Rule 39.1.(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds/compositions.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/03/00973

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61K 31/727, A61K 47/44, A61K 9/20

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61K, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI DATA, EPO-INTERNAL, CA DATA, EMBASE, MEDLINE, BIOSIS, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	European Journal of Pharmaceutical Sciences, Volume 1, 1994, L. Lohikangas et al: "Relative contribution of phosphatidylcholine and monoglyceride to absorption enhancement of low molecular weight heparin (Fragmin) by a new lipid-based drug delivery system in monolayers of human intestinal epithelial Caco-2 cells and after rectal administration to rabbits", page 307 - page 312, abstract, 3.1, 3.3, discussion --	1-30
X	WO 0191729 A1 (BASF AKTIENGESELLSCHAFT), 6 December 2001 (06.12.01), example 5 --	1-30
X	WO 9319737 A1 (KABI PHARMACIA AB), 14 October 1993 (14.10.93), example 1 --	1-30

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

26 Sept. 2003

29-09-2003

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Swedish Patent Office
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP 03/00973

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5626869 A (HÅKAN NYQVIST ET AL), 6 May 1997 (06.05.97), examples 6-7 --	1-30
A	US 5082667 A (KURT G. VAN SCOIK), 21 January 1992 (21.01.92), example 2 --	1-30
A	WO 9205771 A1 (KABI PHARMACIA AB), 16 April 1992 (16.04.92), page 23, claim 18 --	1-30
A	EP 0368247 A2 (TAKEDA CHEMICAL INDUSTRIES, LTD.), 16 May 1990 (16.05.90), examples 1-2 --	1-30
E,X	WO 03049721 A1 (COSMO S.P.A.), 19 June 2003 (19.06.03), examples 1-14, claims 1-3 --	1-30
E,X	WO 0247663 A1 (F. HOFFMAN-LA ROCHE AG), 20 June 2002 (20.06.02), claims 1-8 -- -----	1-30

INTERNATIONAL SEARCH REPORT

Information on **patent family members**

26/07/03

International application No.

PCT/03/00973

Patent document cited in search report			Publication date	Patent family member(s)		Publication date
WO	0191729	A1	06/12/01	AU	6603301 A	11/12/01
				BR	0111257 A	10/06/03
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				DE	10026699 A	06/12/01
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WO	9319737	A1	14/10/93	AT	165971 T	15/05/98
				AU	3912493 A	08/11/93
				CA	2102494 A	28/09/93
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				CZ	9302477 A	13/07/94
				DE	69318503 D,T	05/11/98
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				SE	0591492 T3	
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				HU	70405 A	30/10/95
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				HU	9303357 D	00/00/00
				IL	105017 A	22/12/99
				JP	6508155 T	14/09/94
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				MX	9301716 A	31/01/94
				NO	305537 B	21/06/99
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INTERNATIONAL SEARCH REPORT

Information on patent family members

26/07/03

International application No.

PCT/03/00973

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				AT	106239 T	15/06/94
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				US	2002114837 A	22/08/02